

1981

UA66/8/2 Climate of Mount Sterling, Kentucky

WKU Kentucky Climate Center

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Kevin Brown

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CLIMATOLOGICAL SUMMARY

LATITUDE 38 4N
LONGITUDE 83 56W

MEANS AND EXTREMES FOR PERIOD 1951-1980

MOUNT STERLING KENTUCKY
ELEVATION 810 FEET

MONTH	TEMPERATURE (°F)														PRECIPITATION TOTALS (INCHES)																
	MEANS			EXTREMES				MEAN NUMBER OF DAYS			MEAN	GREATEST MONTHLY	YEAR	GREATEST DAILY	YEAR	DAY	SNOW, SLEET					MEAN NUMBER OF DAYS									
	DAILY MAXIMUM	DAILY MINIMUM	MONTHLY	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	DAY	8° AND ABOVE	11° AND BELOW							11° AND BELOW	8° AND BELOW	MEAN	GREATEST MONTHLY	YEAR	DAY	MEAN	MAXIMUM MONTHLY	GREATEST DEPTH	YEAR	DAY	.10 or MORE	.50 or MORE	1.00 or MORE	
JAN	42.7	23.9	33.3	73	52	1	-20	63	24	0	7	24	1	4.07	8.72	51	3.30	74	10	8.4	20.0	77	13.0	88	16	9	3	1			
FEB	46.8	25.9	36.4	76	77	27	-12	51	3	0	4	20	1	3.56	10.05	58	2.40	82	28	4.7	21.0	80	17.0	77	2	8	2	1			
MAR	56.9	34.5	45.8	83	73	14	-1	80	3	0	1	14	0	4.78	8.64	75	3.82	67	6	2.7	9.0	68	22.0	60	15	9	3	1			
APR	69.1	44.1	56.6	90	55	18	20	64	1	0	0	4	0	4.07	9.04	72	2.21	70	1	0.2	3.0	61	2.0	77	6	8	3	1			
MAY	76.9	53.1	65.0	93	62	18	26	66	10	1	0	0	0	4.22	7.05	71	2.40	71	6	0.0							8	3	1		
JUN	83.2	60.8	72.0	101	54	26	42	72	11	4	0	0	0	4.01	7.11	76	2.98	76	19	0.0								8	3	1	
JUL	86.2	64.7	75.5	106	54	14	48	72	7	8	0	0	0	5.11	10.85	66	3.73	79	26	0.0								8	3	2	
AUG	85.4	63.5	74.4	102	53	31	44	65	28	7	0	0	0	4.04	12.54	74	3.77	66	14	0.0								6	3	1	
SEP	80.0	57.2	68.6	104	54	5	35	74	23	3	0	0	0	3.61	9.78	75	3.26	75	23	0.0								6	2	1	
OCT	69.6	45.2	57.5	94	51	5	19	62	27	0	0	3	0	2.26	4.80	77	2.40	77	1	0.0								5	1	0	
NOV	56.5	35.3	44.4	82	77	5	3	58	30	0	0	13	0	2.94	5.27	57	2.38	57	18	0.7	2.9	52	4.0	77	28	7	2	1	7	2	1
DEC	46.7	28.0	37.4	74	51	31	-7	62	13	0	3	21	0	3.88	11.35	78	6.00	78	8	1.6	7.6	67	8.0	74	2	8	3	1	8	3	1
YR	56.7	44.7	55.6	106	54	14	-20	83	24	22	14	99	3	46.54	12.54	74	6.00	78	8	18.3	21.0	60	22.0	60	15	88	31	12	88	31	12

LAST SPRING AND FIRST FALL OCCURRENCE OF 32 F MINIMUM TEMPERATURE

MOUNT STERLING

1951-1980

YEAR	LAST SPRING OCCURRENCE	CONSECUTIVE DAYS BETWEEN LAST AND FIRST OCCURRENCE	FIRST FALL OCCURRENCE
1951	APR 23	189	OCT 9
1952	APR 18	172	OCT 7
1953	APR 20	183	OCT 30
1954	MAY 4	169	OCT 20
1955	APR 8	200	OCT 25
1956	APR 23	189	NOV 8
1957	MAY 5	168	OCT 20 M
1958	APR 8	206	OCT 31
1959	APR 13	198	OCT 28
1960	APR 11	193	OCT 21
1961	APR 17	181	OCT 15
1962	APR 20	187	OCT 24
1963	MAY 1	182	OCT 30
1964	APR 9	184	OCT 10
1965	APR 3	204	OCT 24
1966	MAY 10	170	OCT 27
1967	APR 28	175	OCT 20
1968	MAY 6	152	OCT 5
1969	APR 20	181	OCT 18
1970	APR 11 M	189	OCT 17
1971	APR 10	208	NOV 4
1972	APR 26	176	OCT 19
1973	APR 14	206	NOV 6
1974	MAY 7	148	OCT 3 M
1975	APR 16	198	OCT 31
1976	MAY 4	167	OCT 18
1977	MAY 10	160	OCT 17
1978	MAR 30 M	224	NOV 9 M
1979	APR 7 M	180	OCT 14
1980	APR 17	178	OCT 13
MEAN	APR 20	184	OCT 22
STD	12	18	10

HEATING DEGREE DAYS

MOUNT STERLING

YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1951	787	739	601	345	57	0	0	0	57	223	782	839	4430
1952	775	757	629	302	70	0	0	2	38	381	600	783	4337
1953	744	680	511	362	22	1	0	0	31	160	556	885	3952
1954	864	577	641	137	194	11	0	3	13	273	611	893	4217
1955	972	750	512	142	40	31	0	0	3	246	661	942	4299
1956	1008	671	584	364	70	29	0	9	92	132	617	610	4186
1957	1006	607	610	288	77	0	0	25	316	714			
1958	994	1029	740	272	66	6	0	2	39	272	504	1050	4974
1959	984	704	636	247	53	12	0	0	25	230	645	776	4312
1960	855	929	1033	198	159	5	0	0	11	205	534	1034	4963
1961	1081	645	478	449	166	13	0	0	39	224	550	863	4508
1962	992	677	685	380	15	3	2	0	110	220	604	1014	4702
1963	1102	962	410	252	104	5	0	6	53	79	519	1177	4669
1964	905	886	562	178	46	19	0	13	40	317	430	741	4137
1965	906	774	731	221	16	7	0	10	45	308	463	728	4209
1966	1118	804	542	351	131	24	0	2	49	338	530	863	4752
1967	802	891	445	198	164	23	3	3	83	243	675	796	4286
1968	1036	1030	529	232	108	3	1	6	16	244	522	922	4651
1969	997	781	774	214	68	17	0	0	47	230	655	1002	4785
1970	1152	847	676	209	68	0	4	0	24	171	572	749	4472
1971	1026	787	700	294	152	0	0	0	12	84	543	565	4163
1972	846	840	622	296	68	39	5	1	10	322	619	741	4409
1973	923	798	328	337	152	0	0	0	13	144	475	847	4017
1974	722	731	463	217	108	20	0	0	98	316	540	823	4038
1975	801	682	677	385	44	4	0	0	97	213	435	795	4133
1976	1038	540	400	307	130	3	0	4	52	430	753	961	4638
1977	1407	840	428	195	52	23	0	0	17	331	504	942	4739
1978	1262	1152	707	238	154	7	0	0	20	305	455	807	5107
1979	1201	979	471	298	100	7	0	5	47	288	511	781	4688
1980	945	1018	683	345	69	19	0	0	24	339	595	830	4867
SUM	29253	24107	17808	8223	2723	331	15	66	1230	7584	16460	25453	129640
MEAN	975	804	594	274	91	11	1	2	41	253	568	848	4470
STD	158	148	142	78	50	11	1	3	29	83	87	133	317

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MEAN MONTHLY TEMPERATURE

MOUNT STERLING

YR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
1951	39.4	38.5	45.4	54.6	66.6	73.7	77.2	75.9	67.2	59.6	38.7	37.7	56.2	
1952	M 40.1	M 38.7	M 44.4	55.2	64.9	76.9	77.8	73.8	68.1	M 52.7	44.8	39.5	56.4	
1953	40.8	M 41.2	48.2	53.4	69.2	75.9	76.8	76.1	69.9	61.0	46.3	36.3	57.9	
1954	36.6	44.2	44.1	62.6	60.8	75.0	79.1	75.8	73.2	58.9	44.5	35.9	57.6	
1955	33.4	38.0	48.2	61.1	67.3	68.3	78.1	76.5	71.7	57.4	42.9	34.5	56.5	
1956	32.3	41.6	46.1	53.7	66.5	72.5	75.0	73.1	64.9	60.8	44.3	45.1	56.3	
1957	32.3	43.0	45.2	59.1	66.3	74.4	77.1	M 76.7	70.4	54.6	00.0	41.7	53.4	
1958	32.7	28.0	41.0	56.0	65.1	70.2	76.6	73.7	67.9	56.1	48.1	30.9	53.9	
1959	33.1	39.6	44.3	57.0	69.3	71.7	75.7	77.2	70.6	58.9	43.4	39.7	56.7	
1960	37.2	32.7	31.5	60.4	62.8	70.8	73.3	75.3	69.9	58.9	47.0	31.0	54.2	
1961	29.9	M 41.7	49.3	50.5	60.4	69.7	74.0	73.5	71.4	58.3	46.6	36.9	55.2	
1962	32.7	40.7	42.7	53.3	71.5	71.7	73.8	74.1	64.6	59.4	44.6	32.1	55.1	
1963	29.2	30.4	51.6	58.1	63.2	71.0	73.2	71.8	66.3	63.6	47.5	26.8	54.4	
1964	35.5	34.2	46.6	60.2	66.4	72.7	74.8	74.8	69.5	54.8	50.6	40.9	56.8	
1965	35.5	37.1	41.2	58.1	69.3	71.4	73.3	73.0	69.2	55.1	49.4	41.3	56.2	
1966	28.8	M 36.2	47.6	53.7	62.5	71.7	76.2	72.4	65.6	54.0		37.0	54.4	
1967	36.8	32.9	51.1	59.7	61.0	71.1	71.4	70.4	67.1	57.6	42.3	40.3	55.1	
1968	31.2	29.2	47.8	57.4	62.4	72.0	75.5	72.6	65.8	58.4	47.7	37.0	55.1	
1969	32.5	36.9	39.9	58.4	65.7	73.4	77.6	74.3	67.0	58.8	42.9	32.4	55.0	
1970	27.6	34.6	43.0	M 58.6	67.6	72.3	75.5	74.8	73.1	60.1	45.8	40.6	56.1	
1971	31.6	36.7	42.3	55.2	61.2	74.1	73.3	72.4	70.8	63.7	47.0	46.5	56.2	
1972	37.4	35.9	44.6	55.6	64.6	68.4	74.4	73.8	70.5	54.5	44.1	40.8	55.4	
1973	35.0	36.4	54.6	54.1	60.8	73.4	75.7	74.3	72.0	61.9	48.9	37.4	57.0	
1974	41.5	38.7	50.4	58.9	64.9	68.2	74.2	M 73.2	63.7	54.8	47.0	38.2	56.1	
1975	38.9	40.5	43.0	52.3	67.6	73.1	74.9	77.6	64.7	58.6	50.3	M 38.8	56.7	
1976	31.2	46.1	52.3	55.8	61.9	71.7	73.8	71.6	64.9	51.1	M 39.7	33.1	54.4	
1977	M 19.5	34.7	M 31.5	59.7	68.8	70.9	78.4	74.7	70.6	M 54.4	M 48.8	34.4	55.5	
1978	24.0	23.6	42.1	M 57.1	62.8	72.9	M 75.6	74.3	70.7	55.1	49.7	38.8	53.9	
1979	34.3	36.2	45.8	61.3	61.5	71.5	73.7	75.9	70.7	58.9	44.9	35.0	55.1	
1980	34.3	29.9	42.7	53.5	65.5	70.8	78.3	78.3	70.7	M 54.6	44.8	38.0	55.1	
SUM	999.1	1091.4	1375.5	1698.6	1950.8	2161.3	2263.9	2233.1	2058.7	1722.6	1332.3	1121.2	1667.2	
MM	31	31	31	30.4	56.6	65.0	72.0	75.5	74.4	68.6	57.5	44.4	37.4	55.6
STU	5	5	5	4.7	2.9	3.0	2.1	1.9	1.9	2.8	3.1	8.9	4.3	1.1